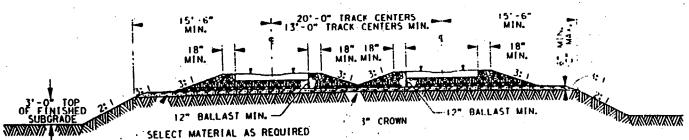
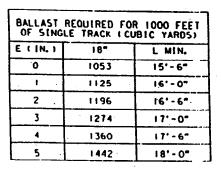
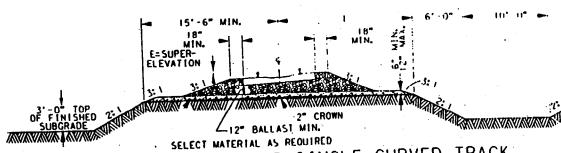


BALLAST SECTIONS FOR SINGLE TANGENT TRACK

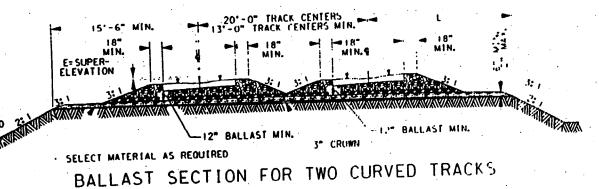


BALLAST SECTION FOR TWO TANGENT TRACKS





BALLAST SECTIONS FOR SINGLE CURVED TRACK



NOTES: ACTUAL SUBBALLAST DEPTH TO BE DETERMINED BY CHIEF ENGINEER OF DESIGN

SUBGRADE EXTENSION TO 16'-6" WHEN SUPERELEVATION IS 5" OR GREATER.

TOP OF BALLAST TO BE FLAT ACROSS AT 1" UNDER BOTTOM OF RAIL.

FOR ROADBED DETAILS, SEE STD DWG 0001 FOR CONCRETE TIE DETAILS, SEE STD DWG 0201

SOURCES OF ACCEPTABLE BALLAST FOR CONCHEST TIE TRACK ARE: U.P. RESOURCES SMELTER, UT OR GADSHILL, MO

MERIDIAN HARNEY ROCK GADSHILL, MO GRANITE, WY HAINES, OR

UNION PACIFIC RAILROAD ENGINEERING STANDARDS

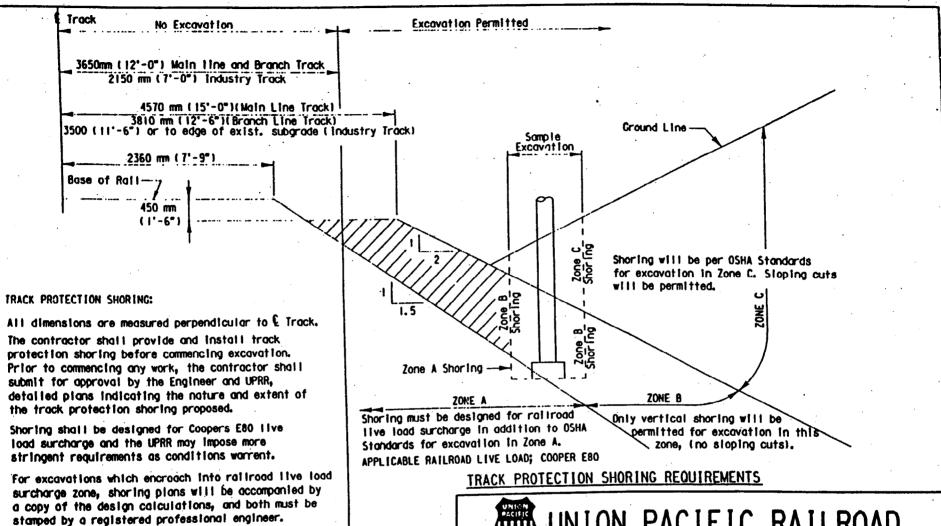
ROADBED SECTIONS FOR CONCRETE TIE TRACK CONSTRUCTION



ADOPTED: DEC. 31, 1996 REVISED: FILE NO.: 0002 STD DWG-

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STD DWG



Design of shoring shall comply with UPRR guidlines for design and construction of shoring adjacent

to active railroad tracks.

UNION PACIFIC RAILROAD

GENERAL SHORING REQUIREMENTS OFFICE OF CHIEF ENGINEER DESIGN DATE: 3-31-98 REDRAWN C. E. 106613